

DATE: 12/29/94 TIME: 11:13:31

INPUT SET: S1679.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

1		SEQUENCE LISTING ENTER
2		
3	(1) G	eneral Information:
4	/ 4 \	APPLICANT: Kaushansky, Kenneth
5 6	(1)	APPLICANT: Radshansky, Rennech
7	(ii)	TITLE OF INVENTION: Methods of Stimulating Erythropoiesis
8	(/	Using Hematopoietic Proteins.
9		
10	(iii)	NUMBER OF SEQUENCES: 6
11		
12	(iv)	CORRESPONDENCE ADDRESS:
13		(A) ADDRESSEE: ZymoGenetics, Inc.
14		(B) STREET: 1201 Eastlake Avenue East
15		(C) CITY: Seattle
16 17		(D) STATE: WA
18		(E) COUNTRY: USA (F) ZIP: 98102
19		(F) EIF. 70102
20	(V)	COMPUTER READABLE FORM:
21	(- /	(A) MEDIUM TYPE: Floppy disk
22		(B) COMPUTER: IBM PC compatible
23		(C) OPERATING SYSTEM: PC-DOS/MS-DOS
24		(D) SOFTWARE: PatentIn Release #1.0, Version #1.25
25		
26	(Vi)	CURRENT APPLICATION DATA:
27	•	(A) APPLICATION NUMBER:
28		(B) FILING DATE:
29		(C) CLASSIFICATION:
30 31	/wiii\	ATTORNEY/AGENT INFORMATION:
32		(A) NAME: Parker, Gary E
33	•	(B) REGISTRATION NUMBER: 31-648
34		(C) REFERENCE/DOCKET NUMBER: 94-09C2
35		
36	(ix)	TELECOMMUNICATION INFORMATION:
37		(A) TELEPHONE: 206-442-6673
38		(B) TELEFAX: 206-442-6678
39		
40		
41	(2) INFO	RMATION FOR SEQ ID NO:1:
42	/ 1 >	CEQUENCE CUADACMEDICMICC.
43 44	(1)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 1062 base pairs
45		(B) TYPE: nucleic acid
46		(C) STRANDEDNESS: double
		(-,

RAW SEQUENCE LISTING PATENT APPLICATION US/08/347,748

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47			(I) T(POLO	OGY:	line	ear						11	11 01	SEI.	310/7./uw
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50		(11)	MOI	15/UI	JE 1:	PE:	CDM	1									
51																	
52		(ix)	FE!	ATURE	3 :												
53			(1	A) NA	AME/I	KEY:	CDS										
54			(E	3) L(CAT:	ON:	1	L059									
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56 57		/ 1	CE/	NIEW.	ות שו	edabi	ר מישד ל	ONT. C	2E0 -	ED NO							
5 <i>1</i>		(* *)) SE(OENC	ים פי	SOCK	LIII)III	SEQ :	LD IN	J. I.						
59	ATG	GAG	CTG	ACT	GAA	TTG	CTC	CTC	GTG	GTC	ATG	CTT	CTC	CTA	ACT	GCA	48
60	Met	Glu	Leu	Thr	Glu	Leu	Leu	Leu	Val	Val	Met	Leu	Leu	Leu	Thr	Ala	
61	1				5					10					15		
62																	
63									-			TGT				_	96
64 65	Arg	Leu	Thr	Leu 20	ser	ser	Pro	АТА	25	Pro	АТа	Cys	ASP	30	Arg	vaı	
66				20					23					30			
67	CTC	AGT	AAA	CTG	CTT	CGT	GAC	TCC	CAT	GTC	CTT	CAC	AGC	AGA	CTG	AGC	144
68	Leu	Ser	Lys	Leu	Leu	Arg	Asp	Ser	His	Val	Leu	His	Ser	Arg	Leu	Ser	
69			35					40					45				
70																	
71												GTC					192
72 73	GIN	50	Pro	GIU	vaı	HIS	55	Leu	Pro	THE	PIO	Val 60	Leu	Leu	Pro	Ala	
73 74		30					,,					00					
75	GTG	GAC	TTT	AGC	TTG	GGA	GAA	TGG	AAA	ACC	CAG	ATG	GAG	GAG	ACC	AAG	240
76	Val	Asp	Phe	Ser	Leu	Gly	Glu	Trp	Lys	Thr	Gln	Met	Glu	Glu	Thr	Lys	
77	65					70					75					80	
78		~~~					~~.			~~~		ama			ama		200
79 80												CTG Leu					288
81	АТА	GIII	ASP	TTE	85	СТУ	АТА	vaı	1111	90	Leu	red	GIU	СТУ	95	Mec	
82					•					, ,							
83	GCA	GCA	CGG	GGA	CAA	CTG	GGA	CCC	ACT	TGC	CTC	TCA	TCC	CTC	CTG	GGG	336
84	Ala	Ala	Arg	Gly	Gln	Leu	Gly	Pro	Thr	Cys	Leu	Ser	Ser	Leu	Leu	Gly	
85				100					105					110			
86	ara	amm	mam	aa x	a.a	ama	aam	ama	ama	amm	000	aaa	аша	CAC	200	ama	384
87 88	_			_	_	_					_	GCC Ala				_	304
89	0111	ЦСС	115	O _T y	0111	Vul	A. y	120	пса	пса	OLy	niu	125	01	501		
90																	
91												ACA					432
92	Leu	_	Thr	Gln	Leu	Pro		Gln	Gly	Arg	Thr	Thr	Ala	His	Lys	Asp	
93		130					135					140					
94 95	aaa	חגג	aaa	אחומ	mma	Oma.	N CC	mm/a	CAR	CAG	ama	CMC	CCX	GC 3	ת א א	GTPC1	480
95 96												CTC Leu					400
97	145	7.011	u			150	201		O T 11		155		9	1	-,5	160	
98	_ = =																
99	CGT	TTC	CTG	ATG	CTT	GTA	GGA	GGG	TCC	ACC	CTC	TGC	GTC	AGG	CGG	GCC	528

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		INPUT SET: S1679.rav											S1679.raw			
100 101 102	Arg	Phe	Leu	Met	Leu 165	Val	Gly	Gly	Ser	Thr 170	Leu	Cys	Val			
103 104 105 106			-									CTA Leu				576
107 108 109 110												GAG Glu				624
111 112 113 114												AAG Lys 220				672
115 116 117 118												ACC Thr				720
119 120 121 122												GAA Glu				768
123 124 125 126												ACC Thr				816
127 128 129 130												CTG Leu				864
131 132 133 134												CCT Pro 300				912
135 136 137 138												CCT Pro				960
139 140 141 142												CCC Pro				1008
143 144 145 146												AAT Asn				1056
147 148 149 150	GGG Gly	TAA														1062

152 (2) INFORMATION FOR SEQ ID NO:2:

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														ALV	11 01	JUI.
153																
154	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 353 amino acids															
155	· ·															
156	(B) TYPE: amino acid (D) TOPOLOGY: linear															
157				(D) TOI	POLO	3Y: .	Linea	ar							
158	(ii) MOLECULE TYPE: protein															
159		(:	ii) l	OLE	CULE	TYPE	E: p	rote:	in							
160																
161		()	ki) S	SEQUI	ENCE	DESC	CRIP	rion .	: SE	OID	NO:2	2:				
162															_	_
163	Met	Glu	Leu	Thr	Glu	Leu	Leu	Leu	Val	Val	Met	Leu	Leu	Leu		Ala
164	1				5					10					15	
165																
166	Arg	Leu	Thr	Leu	Ser	Ser	Pro	Ala	Pro	Pro	Ala	Cys	Asp	Leu	Arg	Val
167				20					25					30		
168																
169	Leu	Ser	Lys	Leu	Leu	Arg	Asp	Ser	His	Val	Leu	His	Ser	Arg	Leu	Ser
170			35					40					45			
171																
172	Gln	Cys	Pro	Glu	Val	His	Pro	Leu	Pro	Thr	Pro	Val	Leu	Leu	Pro	Ala
173		50					55					60				
174																
175	Val	Asp	Phe	Ser	Leu	Gly	Glu	Trp	Lys	Thr	Gln	Met	Glu	Glu	Thr	Lys
176	65					70					75					80
177																
178	Ala	Gln	Asp	Ile	Leu	Gly	Ala	Val	Thr	Leu	Leu	Leu	Glu	Gly	Val	Met
179					85					90					95	
180																
181	Ala	Ala	Arg	Gly	Gln	Leu	Gly	Pro	Thr	Cys	Leu	Ser	Ser		Leu	Gly
182				100					105					110		
183																
184	Gln	Leu	Ser	Gly	Gln	Val	Arg	Leu	Leu	Leu	Gly	Ala	Leu	Gln	Ser	Leu
185			115					120					125			
186																
187	Leu	Gly	Thr	Gln	Leu	Pro	Pro	Gln	Gly	Arg	Thr	Thr	Ala	His	Lys	Asp
188		130					135					140				
189																
190	Pro	Asn	Ala	Ile	Phe	Leu	Ser	Phe	Gln	His	Leu	Leu	Arg	Gly	Lys	
191	145					150					155					160
192																_
193	Arg	Phe	Leu	Met		Val	Gly	Gly	Ser	Thr	Leu	Cys	Val	Arg		Ala
194					165					170					175	
195																
196	Pro	Pro	Thr	Thr	Ala	Val	Pro	Ser	_	Thr	Ser	Leu	Val		Thr	Leu
197				180					185					190		
198					•				_			_			_	
199	Asn	Glu		Pro	Asn	Arg	Thr		Gly	Leu	Leu	Glu		Asn	Phe	Thr
200			195					200					205			
201														_	_	_
202	Ala		Ala	Arg	Thr	Thr	_	Ser	Gly	Leu	Leu	_	Trp	Gln	Gln	Gly
203		210					215					220				
204																
205	Phe	Arg	Ala	Lys	Ile	Pro	Gly	Leu	Leu	Asn	Gln	Thr	Ser	Arg	Ser	Leu

RAW SEQUENCE LISTING PATENT APPLICATION US/08/347,748

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INPUT SET: S1679.raw Asp Gln Ile Pro Gly Tyr Leu Asn Arg Ile His Glu Leu Leu Asn Gly Thr Arg Gly Leu Phe Pro Gly Pro Ser Arg Arg Thr Leu Gly Ala Pro Asp Ile Ser Ser Gly Thr Ser Asp Thr Gly Ser Leu Pro Pro Asn Leu

Gln Pro Gly Tyr Ser Pro Ser Pro Thr His Pro Pro Thr Gly Gln Tyr

Thr Leu Phe Pro Leu Pro Pro Thr Leu Pro Thr Pro Val Val Gln Leu

His Pro Leu Leu Pro Asp Pro Ser Ala Pro Thr Pro Thr Pro Thr Ser

Pro Leu Leu Asn Thr Ser Tyr Thr His Ser Gln Asn Leu Ser Gln Glu

Gly

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 1486 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:

(B) CLONE: 1081

(ix) FEATURE:

(A) NAME/KEY: CDS

(B) LOCATION: 105..1241

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CCTCGTGCCG GTCCTGAGGC CCTTCTCCAC CCGGACAGAG TCCTTGGCCC ACCTCTCTCC

CACCCGACTC TGCCGAAAGA AGCACAGAAG CTCAAGCCGC CTCC ATG GCC CCA GGA

Met Ala Pro Gly

SEQUENCE VERIFICATION REPORT PATENT APPLICATION *US/08/347*,748

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Original Text